

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number:

10/S09787B

Source:

IFW/6

Date Processed by STIC:

3/5/07

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/05/2007

PATENT APPLICATION: US/10/509,787B

TIME: 15:04:32

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\03052007\J509787B.raw

3 <110> APPLICANT: O'DOWD, BRIAN F.  
 4 GEORGE, SUSAN R.  
 6 <120> TITLE OF INVENTION: METHOD OF IDENTIFYING TRANSMEMBRANE PROTEIN-INTERACTING  
 COMPOUNDS  
 8 <130> FILE REFERENCE: 15872-2  
 10 <140> CURRENT APPLICATION NUMBER: US 10/509,787B  
 C--> 11 <141> CURRENT FILING DATE: 2005-05-23  
 13 <150> PRIOR APPLICATION NUMBER: PCT/CA03/00542  
 14 <151> PRIOR FILING DATE: 2003-04-11  
 16 <150> PRIOR APPLICATION NUMBER: 60/371,704  
 17 <151> PRIOR FILING DATE: 2002-04-12  
 19 <150> PRIOR APPLICATION NUMBER: 60/442,556  
 20 <151> PRIOR FILING DATE: 2003-01-27  
 22 <150> PRIOR APPLICATION NUMBER: 60/422,891  
 23 <151> PRIOR FILING DATE: 2002-11-01  
 25 <150> PRIOR APPLICATION NUMBER: 60/387,570  
 26 <151> PRIOR FILING DATE: 2002-06-12  
 28 <150> PRIOR APPLICATION NUMBER: 60/379,419  
 29 <151> PRIOR FILING DATE: 2002-05-13  
 31 <160> NUMBER OF SEQ ID NOS: 159  
 33 <170> SOFTWARE: PatentIn version 3.1  
 35 <210> SEQ ID NO: 1  
 36 <211> LENGTH: 49  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Artificial Sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: primer  
 43 <400> SEQUENCE: 1  
 44 gaggactctg aacaccgaat tcgccgccat ggacgggact gggctggtg 49  
 46 <210> SEQ ID NO: 2  
 47 <211> LENGTH: 45  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: primer  
 54 <400> SEQUENCE: 2  
 55 gtgtggcagg attcatctgg gtaccgcggt tgggtgctga ccgtt 45  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 51  
 59 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial Sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: primer  
 67 <400> SEQUENCE: 3

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68 cctaagaggg ttgaaaatct tttaaatttt ttagcattaa aggcataaat g          51
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 48
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: primer
79 <400> SEQUENCE: 4
80 gcctttaatg ctaaaaaatt taaaagattt tcaaccctct taggatgc          48
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 19
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: synthesized
91 <400> SEQUENCE: 5
93 Asn Pro Ile Ile Tyr Ala Phe Asn Ala Asp Phe Arg Lys Ala Phe Ser
94 1           5           10           15
96 Thr Leu Leu
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 19
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: synthesized
107 <400> SEQUENCE: 6
109 Asn Pro Ile Ile Tyr Ala Phe Asn Ala Lys Lys Phe Lys Arg Phe Ser
110 1           5           10           15
112 Thr Leu Leu
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 27
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: primer
123 <400> SEQUENCE: 7
124 tacccttacg acgtgccgga ttacgcc          27
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 9
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: synthesized
135 <400> SEQUENCE: 8
137 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
138 1           5
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 84
142 <212> TYPE: DNA

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143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: primer
148 <400> SEQUENCE: 9
149 ggatccacta gtaacggccg ccagaccacc atgggatacc cgtacgacgt ccccgactac      60
151 gcaaggactc tgaacacctc tgcc                                           84
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 36
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: primer
162 <400> SEQUENCE: 10
163 ggccgccagc tgcgagttca ggttgggtgc tgaccg                               36
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 16
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: synthesized
174 <400> SEQUENCE: 11
176 Met Arg Thr Leu Asn Thr Ser Ala Met Asp Gly Thr Gly Leu Val Val
177 1           5           10           15
179 <210> SEQ ID NO: 12
180 <211> LENGTH: 26
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: synthesized
187 <400> SEQUENCE: 12
189 Met Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Arg Thr Leu Asn Thr
190 1           5           10           15
192 Ser Ala Met Asp Gly Thr Gly Leu Val Val
193           20           25
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 36
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: primer
203 <400> SEQUENCE: 13
204 ggaaagttct tttaagaaga agttcaaaag agaaac                               36
207 <210> SEQ ID NO: 14
208 <211> LENGTH: 36
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: primer
215 <400> SEQUENCE: 14

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216 gtttctcttt tgaacttctt cttaaaagaa ctttcc 36
219 <210> SEQ ID NO: 15
220 <211> LENGTH: 17
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: synthesized
227 <400> SEQUENCE: 15
229 Gln Pro Glu Ser Ser Phe Lys Met Ser Phe Lys Arg Glu Thr Lys Val
230 1 5 10 15
232 Leu
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 17
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthesized
244 <400> SEQUENCE: 16
246 Gln Pro Glu Ser Ser Phe Lys Lys Lys Phe Lys Arg Glu Thr Lys Val
247 1 5 10 15
249 Leu
252 <210> SEQ ID NO: 17
253 <211> LENGTH: 37
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: primer
260 <400> SEQUENCE: 17
261 ccggtatgag aaaaagttta aacgcaaggc agccttc 37
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 39
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: primer
272 <400> SEQUENCE: 18
273 ggctgccttg cgtttaaact ttttctcata ccggaaagg 39
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 18
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: synthesized
284 <400> SEQUENCE: 19
286 Asn Pro Phe Arg Tyr Glu Arg Lys Met Thr Pro Lys Ala Ala Phe Ile
287 1 5 10 15
289 Leu Ile
292 <210> SEQ ID NO: 20
294 <211> LENGTH: 18

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295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: synthesized
301 <400> SEQUENCE: 20
303 Asn Pro Phe Arg Tyr Glu Lys Lys Phe Lys Arg Lys Ala Ala Phe Ile
304 1          5          10          15
306 Leu Ile
309 <210> SEQ ID NO: 21
310 <211> LENGTH: 39
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: primer
317 <400> SEQUENCE: 21
318 gtgctgccgt taaaaagttc aaacgcctgc ggtccaagg          39
321 <210> SEQ ID NO: 22
322 <211> LENGTH: 40
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: primer
329 <400> SEQUENCE: 22
330 ggaccgcagg cgtttgaact ttttaacggc agcacagacc          40
333 <210> SEQ ID NO: 23
334 <211> LENGTH: 18
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: synthesized
341 <400> SEQUENCE: 23
343 Leu Val Cys Ala Ala Val Ile Arg Phe Arg His Leu Arg Ser Lys Val
344 1          5          10          15
346 Thr Asn
349 <210> SEQ ID NO: 24
350 <211> LENGTH: 18
352 <212> TYPE: PRT
353 <213> ORGANISM: Artificial Sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: synthesized
358 <400> SEQUENCE: 24
360 Leu Val Cys Ala Ala Val Lys Lys Phe Lys Arg Leu Arg Ser Lys Val
361 1          5          10          15
363 Thr Asn
366 <210> SEQ ID NO: 25
367 <211> LENGTH: 44
368 <212> TYPE: DNA
369 <213> ORGANISM: Artificial Sequence
371 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/509,787B

DATE: 03/05/2007  
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Input Set : A:\Sequence.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:109; Xaa Pos. 14 ✓  
Seq#:110; Xaa Pos. 14  
Seq#:130; Xaa Pos. 4  
Seq#:131; Xaa Pos. 3  
Seq#:134; Xaa Pos. 5  
Seq#:142; Xaa Pos. 4  
Seq#:146; Xaa Pos. 4  
Seq#:148; Xaa Pos. 6  
Seq#:150; Xaa Pos. 6  
Seq#:151; Xaa Pos. 3  
Seq#:152; Xaa Pos. 5  
Seq#:153; Xaa Pos. 4  
Seq#:154; Xaa Pos. 3  
Seq#:155; Xaa Pos. 5

## VERIFICATION SUMMARY

DATE: 03/05/2007

PATENT APPLICATION: US/10/509,787B

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Input Set : A:\Sequence.txt

Output Set: N:\CRF4\03052007\J509787B.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0

L:1445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0

L:1715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0

L:1733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0

L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0

L:1802 M:283 W: Missing Blank Line separator, &lt;400&gt; field identifier

L:1892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0

L:1951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0

L:1987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0

L:2021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0

L:2039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0

L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0

L:2080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0

L:2099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0

L:2117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0